

#4755 Store at -20C

SSEA4 (MC813) Mouse mAb


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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: IF-IC, FC-FP, FC-L	Reactivity: H	Sensitivity: Endogenous	MW (kDa): N/A	Source/Isotype: Mouse IgG3
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Product Usage Information	Application Immunofluorescence (Immunocytochemistry) Flow Cytometry (Fixed/Permeabilized) Flow Cytometry (Live)	Dilution 1:100 - 1:400 1:200 - 1:800 1:200 - 1:800
Storage	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody.	
Specificity / Sensitivity	SSEA4 (MC813) Mouse mAb detects endogenous levels of SSEA4 antigen.	
Source / Purification	Monoclonal antibody is produced by injecting animals with human embryonal carcinoma 2102Ep cl.2A6 cells.	
Background	SSEA4 (stage-specific embryonic antigen 4) is a glycolipid carbohydrate epitope expressed on the surface of human teratocarcinoma stem cells, human embryonic germ cells, and human embryonic stem cells (1). Expression of human SSEA4 decreases following differentiation of human embryonal carcinoma cells. Expression of the SSEA4 antigen is absent in murine pluripotent cells, but increases following differentiation (1,2).	
Background References	1. Henderson, J.K. et al. (2002) <i>Stem Cells</i> 20, 329-37. 2. Draper, J.S. et al. (2002) <i>J Anat</i> 200, 249-58.	

Species Reactivity	Species reactivity is determined by testing in at least one approved application (e.g., western blot).
Applications Key	IF-IC: Immunofluorescence (Immunocytochemistry) FC-FP: Flow Cytometry (Fixed/Permeabilized) FC-L: Flow Cytometry (Live)
Cross-Reactivity Key	H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected
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